

Purchase Order Receipt Listing

Friday, September 02, 2016 1:34:06 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO33469 Receipt Dates from 9/2/2016 to 9/2/2016 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

| Purchase Order ID/ Curr Type | Line Nbr/ Insp | Project ID | Reference/ Description/ Cert Std | PO U/M/ Stock U/M | Required Date | Required Qty | Rev Date/ Emp | Rev Qty (PO U/M) | Cost Per Unit/ Rev Value | Inspected Qty/ Rejected Qty (PO U/M) | MRB Qty/ Reject Qty | Book Amt |
|---|----------------------|------------|--|----------------------|---------------|--------------|------------------|---------------------|-----------------------------|--|------------------------|----------|
| Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd | | | | | | | | | | | | |
| PO33469 | 1 | | M6061T6B2.000X01.1.250 | | 9/7/2016 | 9/2/2016 | | (12.0000) | \$6.29 | 0.0000 | 0 | \$75.48 |
| CAD | No | | 6061-T6 Bar 2.00 x 1.25 | f | 12.0000 | PL0U01 | | | \$75.48 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.0000) | \$8.42 | 0.0000 | 0 | \$101.02 |
| | 2 | | M6061T6B1.500X02.500 | f | 9/7/2016 | 9/2/2016 | | (12.0000) | \$8.42 | 0.0000 | 0 | \$101.02 |
| | No | | 6061-T6 Bar 1.50 x 2.50 | f | 12.0000 | PL0U01 | | | \$101.02 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.0000) | \$9.53 | 0.0000 | 0 | \$114.36 |
| | 3 | | M6061T6B30000X01.500 | f | 9/7/2016 | 9/2/2016 | | (12.0000) | \$9.53 | 0.0000 | 0 | \$114.36 |
| | No | | 6061-T6 Bar 3.00 x 1.50 | f | 12.0000 | PL0U01 | | | \$114.36 | 0.0000 | 0 | |
| | | | m135559 | | | | | (36.0000) | \$1.16 | 0.0000 | 0 | \$41.93 |
| | 4 | | M6061T6R0.563 | f | 9/7/2016 | 9/2/2016 | | (36.0000) | \$1.16 | 0.0000 | 0 | \$41.93 |
| | No | | 6061-T6 ROUND BAR.563 | f | 36.0000 | PL0U01 | | | \$41.93 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.0000) | \$4.13 | 0.0000 | 0 | \$49.56 |
| | 5 | | M6061T6R1.500 | f | 9/7/2016 | 9/2/2016 | | (12.0000) | \$4.13 | 0.0000 | 0 | \$49.56 |
| | No | | 6061-T6 Round Bar 1.50 | f | 12.0000 | PL0U01 | | | \$49.56 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.0000) | \$233.29 | 0.0000 | 0 | \$233.29 |
| | 6 | | M6061T6R3.500 | f | 9/7/2016 | 9/2/2016 | | (12.0000) | \$233.29 | 0.0000 | 0 | \$233.29 |
| | No | | 6061 RD bar 3.50 | f | 12.0000 | PL0U01 | | | \$233.29 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.2000) | \$9.83 | 0.0000 | 0 | \$119.99 |
| | 7 | | M304R1.500 | f | 9/7/2016 | 9/2/2016 | | (12.2000) | \$9.83 | 0.0000 | 0 | \$119.99 |
| | No | | 304 round bar 1.500 | f | 12.2000 | PL0U01 | | | \$119.99 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.0000) | \$3.42 | 0.0000 | 0 | \$41.08 |
| | 8 | | M303H0.500 | f | 9/7/2016 | 9/2/2016 | | (12.0000) | \$3.42 | 0.0000 | 0 | \$41.08 |
| | No | | 303 HEX BAR.500 | f | 12.0000 | PL0U01 | | | \$41.08 | 0.0000 | 0 | |
| | | | m135559 | | | | | (12.0000) | \$41.08 | 0.0000 | 0 | \$41.08 |

| Purchase Order ID/ Curr Type | Line Nbr/ Insp | Project ID | Reference/ Description/ Cert Std | PO U/M / Stock U/M | Required Date | Recv Date/ Emp | Recv Qty (PO U/M) | Cost Per Unit/ Recv Value | Inspected Qty/ Rejected Qty (PO U/M) | MRB Qty/ Reject Qty | Book Amt |
|---|-------------------|------------|---|-----------------------|---------------|-------------------|----------------------|------------------------------|--|------------------------|----------|
| Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials-CA Ltd | | | | | | | | | | | |
| PO33469 CAD | 9 No | | M174R0.750 17-4 round bar .750 m135559 | f | 9/7/2016 | 9/2/2016 | 24.0000 | \$5.26 \$126.25 | 0.0000 0.0000 | 0 0 | \$126.25 |
| | 13 No | | M304S16GA 304/316 Sheet .063 m135559 | sf | 9/7/2016 | 9/2/2016 | 40.0000 | \$3.42 \$136.74 | 0.0000 0.0000 | 0 0 | \$136.74 |
| | 14 No | | M6061T6B0.375X01. f 6061T6 BAR .375 x 1.00 m135559 | f | 9/7/2016 | 9/2/2016 | 12.0000 | \$2.86 \$34.31 | 0.0000 0.0000 | 0 0 | \$34.31 |
| | 15 No | | M6061T6B0.750X01. f 500 6061-T6 Bar .750 X 1.50 m135559 | f | 9/7/2016 | 9/2/2016 | 12.0000 | \$2.99 \$35.88 | 0.0000 0.0000 | 0 0 | \$35.88 |
| | 16 No | | M6061T6B1.000X04. f 000 6061-T6 Bar 1.00 x 4.00 m135559 | f | 9/7/2016 | 9/2/2016 | 12.0000 | \$9.00 \$107.96 | 0.0000 0.0000 | 0 0 | \$107.96 |
| | 17 No | | M6061T6B00750X00 f .125 6061-T6 Bar .750 x .125 m135559 | f | 9/7/2016 | 9/2/2016 | 20.0000 | \$1.72 \$34.31 | 0.0000 0.0000 | 0 0 | \$34.31 |
| | 18 No | | M6061T6S.080 6061-T6 .080 Sheet m135559 | sf | 9/7/2016 | 9/2/2016 | 96.0000 | \$3.32 \$318.55 | 0.0000 0.0000 | 0 0 | \$318.55 |
| | 19 No | | 71401-45 PROCUREMENT QUALITY CLAUSES m135559 | | 9/7/2016 | 9/2/2016 | 1.0000 | \$0.00 \$0.00 | 0.0000 0.0000 | 0 0 | \$0.00 |

Total Received Quantity: 337.2000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$1,570.70
 Total Balance Due Quantity: 0.0000

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date ^{9 Sept} 31 Aug 16 at 13:53 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-963239- 1 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511
 1.250" x 2.00" X 144.0000"

Heat Number Tag No
 195307-8 565355

Quantity PCS Wt LBS
 12 FT 1 35

MTR

2) Our Order PEC-963239- 2 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511
 1.50" x 2.50" X 144.0000"

Heat Number Tag No
 195205-3 565356

Quantity PCS Wt LBS
 12 FT 1 52

MTR

3) Our Order PEC-963239- 3 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511
 1.50" x 3.00" X 144.0000"

Heat Number Tag No
 Z00649058 565357

Quantity PCS Wt LBS
 12 FT 1 63

MTR

4) Our Order PEC-963239- 4 Your PO # 33469

ALUMINUM ROUND BAR 6061-T6511
 .562" DIA X 144.0000"

Heat Number Tag No
 183339-7 565358

Quantity PCS Wt LBS
 36 FT 3 12

MTR

5) Our Order PEC-963239- 5 Your PO # 33469

ALUMINUM ROUND BAR 6061-T6511
 1.50" DIA X 144.0000"

Heat Number Tag No
 Z00262360 565359

Quantity PCS Wt LBS
 12 FT 1 26

MTR

Page: 1Continued

ALUMINIUM • LAITON • COBRE • PLASTIQUE
 ALUMINUM • BRASS • COPPER • PLASTIC

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 6783
Ship Date 31Aug16 at 13:53 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-963239- 6 Your PO # 33469

ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"

Heat Number Tag No
108261-1-1-A-1 565360

Quantity PCS
12 FT 1

Wt LBS
138

MTR

7) Our Order PEC-963239- 7 Your PO # 33469

STAINLESS STEEL ROUND BAR 304D
1.50" DIA X 146.0000"

Heat Number Tag No
040R 565361

Quantity PCS
12 ' 2.0000 " 1

Wt LBS
75

MTR

8) Our Order PEC-963239- 9 Your PO # 33469

STAINLESS STEEL HEX BAR 303 STAINLESS
.50" HEX X 144.0000"

Heat Number Tag No
4T247 565363

Quantity PCS
12 FT 1

Wt LBS
10

MTR

10) Our Order PEC-963239- 10 Your PO # 33469

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"

Heat Number Tag No
266870 565364

Quantity PCS
24 FT 2

Wt LBS
35

MTR

11) Our Order PEC-963239- 11 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511
375" x 1.00" X 144.0000"

Heat Number Tag No
598183 565365

Quantity PCS
12 FT 1

Wt LBS
6

MTR

TOTAL:

Tags PCS
10 13

LBS
452

Heat Number *** Chemical Analysis ***

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOXYDANT
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 6783

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 31Aug16 at 13:53 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

040R
108261-1-1-A-1
183339-7
195205-3
195307-8
266870
4T247
598183
Z00262360
Z00649058

SP 16-9-2

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL GW. 455 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
INVENTORY, SEPT. 22 & 23/2016. THERE WILL BE NO
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
OFFICE WILL REMAIN OPEN.

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From: (1)
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 6735
 Ship Date 31Aug16 at 9:48 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-963240- 1 Your PO # 33469
 STAINLESS STEEL ROUND BAR 303 STAINLESS

.750" DIA X 144.0000"

B/O

2) Our Order PEC-963240- 2 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511

.750" X 1.50" X 144.0000"

Heat Number

Z0056096

Tag No

565368

Quantity

12 FT

PCS

1

Wt LBS

16

3) Our Order PEC-963240- 3 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

Heat Number

Z00217126

Tag No

565369

Quantity

12 FT

PCS

1

Wt LBS

56

4) Our Order PEC-963240- 4 Your PO # 33469

ALUMINUM FLAT BAR 6061-T6511

.125" x .750" X 240.0000"

CUT IN HALF

Heat Number

421726-1

Tag No

565443

Quantity

20 FT

PCS

1

Wt LBS

2

5) Our Order PEC-963240- 5 Your PO # 33469

ALUMINUM SHEET 6061 T6

.0810 Nom X 48.0000" X 144.0000"

Heat Number

RA27997

Tag No

565263

Quantity

96.00 SFT

PCS

2

Wt LBS

109

Page: 1Continued

ALUMINIUM • LAITON • COUVRE • PASTIQUE • ACIER INOX
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 6735
 Ship Date 31Aug16 at 9:48 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-963240- 6 Your PO # 33469
 STAINLESS STEEL SHEET 304-2B
 .0600 Nom X 48.0000" X 120.0000"

Heat Number Tag No
 YU175063 565244

Quantity PCS Wt LBS
 40.00 SFT 1 95

TOTAL: Tags PCS LBS
 5 6 278

Heat Number
 421726-1
 RA27997
 YU175063
 Z00217126
 Z0056096

*** Chemical Analysis ***

***** SHIP WITH 963239 *****

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 1 PKG, 1 BDL, 2 SKIDS GW. 839 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

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Ship From:
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2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

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DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
INVENTORY, SEPT. 22 & 23/2016. THERE WILL BE NO
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
OFFICE WILL REMAIN OPEN.

***UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.***

***POUR VOS BESOINS D'ACIER INOXYDABLE,

CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 3 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
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DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.750" X 1.50" X 144.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006735-002

31 Aug 16

Signed by: *[Signature]*

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

| | | | | | |
|--|--------------------------|----------------------------------|--|---|----------------------|
| CUSTOMER PO NUMBER: PEC-276524-1 | | CUSTOMER PART NUMBER: 376/STK | | PRODUCT DESCRIPTION: 750 X 1.500 SC RECT BAR | |
| KAISER ORDER NUMBER: 6012468 | LINE ITEM: 001 | SHIP DATE: 07/07/2016 | KAISER LOT NUMBER: Z00256096 | ALLOY: 6061 | TEMPER: T6511 |
| WEIGHT SHIPPED: 2032.000 LB | QUANTITY: 128.000 PCS | B/L NUMBER: 616172 | DIAM/ID/THKNS: | WIDTH: | LENGTH: 12.000 FT |
| SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | | SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | |

Actual Physical Properties

DAS
14
9-89

16/09/09

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| Z00256096 | 0001 | 0001 | 47.4 | 43.3 | 18.6 | RE 92 | N/A | N/A |
| Z00256096 | 0001 | 0002 | 47.5 | 43.2 | 20.1 | RE 92 | N/A | N/A |
| Z00256096 | 0001 | 0003 | 43.6 | 39.2 | 20.8 | RE 93 | N/A | N/A |
| Z00256096 | 0001 | 0004 | 43.7 | 39.3 | 22.3 | RE 93 | N/A | N/A |
| Z00256096 | 0001 | 0005 | 43.6 | 39.2 | 23.2 | RE 94 | N/A | N/A |
| Z00256096 | 0001 | 0006 | 48.0 | 43.6 | 21.0 | RE 92 | N/A | N/A |
| Z00256096 | 0001 | 0007 | 47.6 | 43.6 | 21.6 | RE 95 | N/A | N/A |
| Z00256096 | 0001 | 0008 | 43.9 | 39.7 | 20.7 | RE 92 | N/A | N/A |
| Z00256096 | 0001 | 0009 | 43.8 | 39.4 | 21.3 | RE 94 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.30 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.00 | 0.30 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| 105792 | .60 | .28 | .17 | .07 | .91 | .07 | .05 | .02 | .00 | .00 | .00 | .01 | .03 |

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-S1221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00240613

Kaiser Order Number: 6012468

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.750" X 1.50" X 144.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006735-002

31Aug16

Signed by: 

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00240613

Kaiser Order Number: 6012468

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.125" x .750" X 240.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006735-004

31Aug16

Signed by: 

Pg 1/1

CAN ART

ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 305203

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Ticket:
5463289

Our Order: 421726 - 1

Cust P.O.: 272890

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: .125 x .750

Print Date: 2/29/16

DAS
14
9-89

16/09/09

Chemical Composition Range

| | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | OtherEach | OtherTotal |
|-----|------|-----|------|------|-----|------|------|------|-----------|------------|
| Min | 0.40 | | 0.15 | | 0.8 | 0.04 | | | | |
| Max | 0.8 | 0.7 | 0.40 | 0.15 | 1.2 | 0.35 | 0.25 | 0.15 | 0.05 | 0.15 |

Mechanical Properties

Strength ksi

| Sample ID | Cast # | Lot # | Test Date | Ultimate Tensile | Yield 2% offset | Elongation 2" gage length |
|-----------|--------|-------|-----------|------------------|-----------------|---------------------------|
| 421128 | 3B1855 | A11 | 2/26/16 | 46.20 | 42.72 | 8.2 |

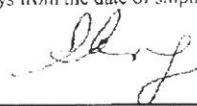
Applicable Specifications: ASTMB221-14 AMS-QQ-A200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Manager

THYSSENKRUPP MATERIALS NA

PART AEROSPACE

ALUMINUM SHEET 6061 T6
0.0810 Nom X 48.0000" X 144.0000"
PART NO.

PO/Ref 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-006735-005

31Aug16
Pg 1/1

Henan Xindatong Aluminum Industry Co., Ltd.

MILL TEST CERTIFICATE

| Name | Lot No. | Size of Goods (inch) | Alloy/ Temper | Chemical Composition (%) | | | | | | | | | | | Mechanical Properties | | Standard |
|----------------------------|-------------|-----------------------------------|---------------|--------------------------|-------|-------|-------|--------|--------|--------|--------|--------|------|--------|---------------------------|-------------------|---------------|
| | | | | Si | Fe | Cu | Mn | Mg | Zn | Ti | Cr | Others | | Al | Tensile Strength (MPa) | Elongation (%) | |
| 6061 T6 ALUMINUM SHEET | RA27997 | 0.08"x48"x144" | 6061 T6 | 0.296 | 0.493 | 0.267 | 0.089 | 0.992 | / | 0.0283 | 0.107 | 0.05 | 0.15 | Remain | 295 | 11.3 | GB/T3880-2012 |
| 3003 H14 ALUMINUM SHEET | Z-1601N3046 | 0.032"x48"x96" | 3003 H14 | 0.094 | 0.572 | 0.09 | 1.027 | 0.004 | 0.0046 | 0.031 | 0.0087 | 0.05 | 0.15 | Remain | 167 | 18 | GB/T3880-2012 |
| | | 0.032"x48"x120" | 3003 H14 | 0.086 | 0.526 | 0.088 | 1.032 | 0.007 | 0.0052 | 0.022 | 0.009 | 0.05 | 0.15 | Remain | 164 | 23 | GB/T3880-2012 |
| | Z-1601N3044 | 0.125"x48"x96" 0.125"x48"x120" | 3003 H14 | 0.09 | 0.517 | 0.081 | 1.007 | 0.0036 | 0.0053 | 0.017 | 0.0083 | 0.05 | 0.15 | Remain | 152 | 25 | GB/T3880-2012 |

IC REF: IDLC19687

Declaration of Goods and/or Services:

OVERING 100 PERCENT OF INVOICE VALUE OF GOODS AND/OR SERVICES DESCRIBED AS:
5,542 METRIC TONS 6061 T6 ALUMINUM SHEET
15,397 METRIC TONS 3003 H14 ALUMINUM SHEET
IF TORONTO PORT

Inspector: Shao Jiguo

Date: Jan. 26, 2016

Henan Xindatong Aluminum Industry Co., Ltd.

郑州信达通铝业有限公司
HENAN XINDATONG ALUMINUM INDUSTRY CO., LTD.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 120.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-006735-006

31Aug16
Pg 1/1



YIEH MAU CORP.

INSPECTION CERTIFICATE

1995

INVOICE NO. : F14M971
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 / 304L / ASTM A240/A480-11a ASME SA240/SA480-11a
CUSTOMER : OLBERT METAL SMITHS LIMITED

NO. 345, SHUN-AN RD., LUZHU DIST.,
KAOHSIUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO : 886-7-697-6266
FAX NO : 886-7-697-3006
CERTIFICATE NO: F14M971
DATE OF ISSUE: 10/07/2014
PAGE: 1

| SIZE | NO. of Product | Weight in KG | Heat No. | ID No. | Mechanical Properties Tensile Test CH=60 mm | | | | | Chemical Composition (%) | | | | | | | |
|-------------------|----------------|--------------|----------|--------------|--|------------------------------|-------------|-----|-----|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| | | | | | Y.S. (N/mm ²) | T.S. (N/mm ²) | E.L. (%) | HRB | HV | C x 100 | Si x 100 | Mn x 100 | P x 1000 | S x 1000 | Ni x 100 | Cr x 100 | N x 100 |
| | | | | | | | | | | | | | | | | | |
| 304/304L 2B PI | 1 | 2.294 | YU175294 | 38S27664A-11 | 318 | 647 | 53 | 86 | 175 | 2.7 | 43 | 128 | 41 | 14 | 800 | 1820 | 3.5 |
| 11GA X 60" X 120" | 1 | 2.294 | YU175294 | 38S27664A-12 | 319 | 647 | 53 | 86 | 176 | 2.7 | 43 | 128 | 41 | 14 | 800 | 1820 | 3.5 |
| 12GA X 48" X 120" | 1 | 2.275 | YU175528 | 38S28482A-11 | 315 | 636 | 54 | 86 | 183 | 1.6 | 44 | 116 | 40 | 8 | 806 | 1801 | 3.8 |
| 12GA X 48" X 120" | 1 | 2.274 | YU175528 | 38S28482A-12 | 315 | 636 | 54 | 86 | 183 | 1.6 | 44 | 116 | 40 | 8 | 806 | 1801 | 3.8 |
| 12GA X 48" X 120" | 1 | 2.274 | YU175528 | 38S28482A-13 | 315 | 638 | 54 | 88 | 183 | 1.6 | 44 | 116 | 40 | 8 | 806 | 1801 | 3.8 |
| 14GA X 48" X 120" | 1 | 2.260 | LZ485X03 | 38S27225B-1 | 337 | 690 | 49 | 88 | 183 | 2.6 | 44 | 89 | 25 | 2 | 804 | 1818 | 5.6 |
| 14GA X 48" X 120" | 1 | 2.260 | LZ485X03 | 38S27225B-2 | 337 | 690 | 49 | 88 | 183 | 2.6 | 44 | 89 | 25 | 2 | 804 | 1818 | 5.6 |
| 16GA X 48" X 95" | 1 | 2.275 | YU175063 | 38S28782A-1 | 304 | 608 | 57 | 82 | 160 | 0.9 | 47 | 148 | 37 | 2 | 807 | 1807 | 4.4 |
| 16GA X 48" X 120" | 1 | 2.286 | YU175063 | 38S28782A-2 | 304 | 608 | 57 | 82 | 160 | 0.9 | 47 | 148 | 37 | 2 | 807 | 1807 | 4.4 |
| 16GA X 48" X 120" | 1 | 2.286 | YU175063 | 38S28782A-3 | 304 | 608 | 57 | 82 | 160 | 0.9 | 47 | 148 | 37 | 2 | 807 | 1807 | 4.4 |
| 18GA X 48" X 120" | 1 | 2.286 | YU175063 | 38S28782A-4 | 304 | 608 | 57 | 82 | 160 | 0.9 | 47 | 148 | 37 | 2 | 807 | 1807 | 4.4 |
| 18GA X 48" X 95" | 1 | 2.264 | YU270228 | 38S28495C-1 | 297 | 620 | 54 | 84 | 167 | 1.8 | 38 | 127 | 31 | 4 | 802 | 1805 | 3.8 |
| 18GA X 48" X 120" | 1 | 2.243 | YU270228 | 38S28495C-2 | 297 | 620 | 54 | 84 | 167 | 1.8 | 38 | 127 | 31 | 4 | 802 | 1805 | 3.8 |
| | | | | | 18 | | | | | | | | | | | | |
| | | | | | 28371 | | | | | | | | | | | | |
| | | | | | NO MERCURY CONTAMINATION | | | | | | | | | | | | |
| | | | | | RE HEREGY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS | | | | | | | | | | | | |
| | | | | | BENEFITS: | | | | | | | | | | | | |

REMARKS: NO MERCURY CONTAMINATION
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE.

THE COUNTRY OF MELT AND MANUFACTURE: TAIWAN

YIEH MAU CORP.

Manager of Quality Assurance Section

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

PART NO.

PO/Rel 33469

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006735-003

31Aug16

Signed by:

[Signature]

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

| | | | | | |
|--|-------------------------|----------------------------------|--|---|----------------------|
| CUSTOMER PO NUMBER: PEC-276501-12 | | CUSTOMER PART NUMBER: B19/STK | | PRODUCT DESCRIPTION: 1.000 X 4.000 SC RECT BAR | |
| KAISER ORDER NUMBER: 6012537 | LINE ITEM: 012 | SHIP DATE: 07/21/2016 | KAISER LOT NUMBER: Z00217126 | ALLOY: 6061 | TEMPER: T6511 |
| WEIGHT SHIPPED: 3048.000 LB | QUANTITY: 54.000 PCS | B/L NUMBER: 616305 | DIAM/DEF/THKNS: 1.000 X 4.000 | WIDTH: 1.000 | LENGTH: 12.000 FT |
| SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | | SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | |

Actual Physical Properties

DAS
14
9-89

16/09/09

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| Z00217126 | 0001 | 0001 | 48.6 | 45.7 | 16.3 | RE 95 | N/A | N/A |
| Z00217126 | 0001 | 0002 | 49.0 | 45.8 | 17.8 | RE 94 | N/A | N/A |
| Z00217126 | 0001 | 0003 | 48.4 | 44.8 | 16.9 | RE 93 | N/A | N/A |
| Z00217126 | 0001 | 0004 | 49.3 | 46.4 | 14.7 | RE 91 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| 106143 | .76 | .33 | .30 | .09 | .94 | .09 | .04 | .02 | .00 | .00 | .00 | .01 | .04 |

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00242484

Kaiser Order Number: 6012537

Line Item: 012

THYSSENKRUPP MATERIALS NA

PO/Rel 33469

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006783-001

31Aug16
Pg 1/1

PART AEROSPACE
ALUMINUM PLAT BAR 6061-T6511
1.250" x 2.00" X 144.0000"
PART NO.



TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

| | | | | | |
|--|--|--|--|---|-------------------------------|
| BILL TO THYSSENKRUPP MATERIALS, NA | CERT CODE: 9 | DIE NUMBER S 22772 | DATE OF SHIPMENT Jul/08/2016 | EXTRUDEX ORDER NO. 195307 - 8 | MANIFEST NO. 352435 |
| SHIP TO THYSSENKRUPP MATERIALS, NA | CUSTOMER PO PEC-276232 | ALLOY 6061 | SALESMAN FORBES DODWELL | | |
| SO DESCRIPTION 1.25"x2" FB | CUSTOMER PART NUMBER 22772-S | TEMPER T6511 | | | |
| | | PART DESCRIPTION 1.25"x2" FB | | | |
| | | CERTIFICATION ASTM B221-14 - AMS QQA 200/8 | | | |

Mechanical Properties

| Lot | Alloy | Test Date | Ultimate Tensile Strength (KSI) | Yield Strength (KSI) | Percent Elongation | Hardness Rockwell E | Conductivity |
|------|-------|-------------|---------------------------------|----------------------|--------------------|---------------------|--------------|
| A.11 | 6061 | Jul/07/2016 | 43.50 | 39.70 | 14.80 | 88.6, 88.3, 88.9 | |

Chemical Composition

| Cast Number | Lot | Alloy | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Sn | Al | Other |
|-------------|------|-------|-------|-------|-------|-----|-------|-----|----|--------|--------|----|----|-------|
| 33083 | A.11 | 6061 | 0.542 | 0.214 | 0.211 | ### | 0.863 | ### | 0 | 0.0111 | 0.0109 | 0 | 0 | 0 |

DAS 14 16/09/09 9-39

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM EXTRUDED BAR 6061-T6511
1.50" x 2.50" x 144.0000"

PO/Ref 33469
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006783-002

31 Aug 16
Pg 1/1



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

| | | | | | |
|--------------------------------------|--------------------------------|----------------------|----------------------------------|---|------------------------|
| BILL TO THYSSENKRUPP MATERIALS NA | CERT CODE: 9 | DIE NUMBER S 4660 | DATE OF SHIPMENT JUL21/2016 | EXTRUDEX ORDER NO. 195205 - 3 | MANIFEST NO. 353232 |
| SHIP TO THYSSENKRUPP MATERIALS NA | CUSTOMER PO PEC-276140 | ALLOY 6061 | SALESMAN FORBES DODWELL | MADE IN CANADA | |
| SO DESCRIPTION 1.5"x2.5" FB | CUSTOMER PART NUMBER 4660-S | TEMPER T6511 | PART DESCRIPTION 1.5"x2.5" FB | CERTIFICATION ASTM B221-14 - AMS QQA 200/8 | |

Mechanical Properties

| Lot | Alloy | Test Date | Ultimate Tensile Strength (KSI) | Yield Strength (KSI) | Percent Elongation | Hardness Rockwell E | Conductivity |
|------|-------|-------------|---------------------------------|----------------------|--------------------|---------------------|--------------|
| A.11 | 6061 | Jul/19/2016 | 44.30 | 40.40 | 16.20 | 88.9, 89.2, 88.6 | |

Chemical Composition

| Cast Number | Lot | Alloy | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Ga | V | B | Zr | Bi | Pb | Sn | Sr | Co | Al | Other |
|-------------|------|-------|------|------|------|------|------|------|----|------|------|----|---|---|----|----|----|----|----|----|----|-------|
| 382985 | A.11 | 6061 | 0.61 | 0.16 | 0.21 | 0.04 | 0.88 | 0.07 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DAS
14
9-30
15/09/09

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 3.00" X 144.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006783-003

31 Aug 16

Signed by: *[Signature]*

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

| | | | | | |
|--|-------------------------|----------------------------------|--|---|----------------------|
| CUSTOMER PO NUMBER: PEC-276428-1 | | CUSTOMER PART NUMBER: 471/STK | | PRODUCT DESCRIPTION: 1.500 X 3.000 SC RECT BAR | |
| KAISER ORDER NUMBER: 6012416 | LINE ITEM: 001 | SHIP DATE: 07/28/2016 | KAISER LOT NUMBER: Z00649058 | ALLOY: 6061 | TEMPER: T6511 |
| WEIGHT SHIPPED: 1524.000 LB | QUANTITY: 24.000 PCS | B/L NUMBER: 616373 | DIAM/BAFF THKNS: 1.500 | WIDTH: 3.000 | LENGTH: 12.000 FT |
| SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | | SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | |

Actual Physical Properties

DAS
14
9-89

11/6/09/09

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| Z00649058 | 0001 | 0001 | 44.1 | 39.2 | 18.5 | RE 92 | N/A | N/A |
| Z00649058 | 0001 | 0002 | 44.7 | 39.8 | 13.8 | RE 93 | N/A | N/A |
| Z00649058 | 0001 | 0003 | 44.6 | 39.9 | 14.2 | RE 91 | N/A | N/A |
| Z00649058 | 0002 | 0001 | 41.7 | 37.8 | 18.0 | RE 91 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.03 | 0.80 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| 106348 | .58 | .24 | .20 | .09 | .82 | .07 | .05 | .02 | .00 | .00 | .00 | .01 | .03 |

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS-A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

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CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Almee L. Macnowski, Quality & Technology Manager

Almee L. Macnowski

Plant Serial: 00243639

Kaiser Order Number: 6012416

Line Item: 00

THYSSENKRUPP MATERIALS NA

PART ATROSPACE
ALUMINUM ROUND BAR 6061-T6511
.562" DIA X 144.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-006783-004

Certificate of Mill Test Results

31Aug16
Pg 1/1



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

| | | | | | | | | | | | |
|----------------|---------------------------|----------------------|------------|------------------|------------------------------|------------------|-------------|--------------------|----------------|--------------|--------|
| BILL TO | THYSSENKRUPP MATERIALS NA | CERT CODE: | 9 | DIE NUMBER | S 16303 | DATE OF SHIPMENT | Aug/13/2015 | EXTRUDEX ORDER NO. | 183339 - 7 | MANIFEST NO. | 333130 |
| SHIP TO | THYSSENKRUPP MATERIALS NA | CUSTOMER PO | PEC-268674 | ALLOY | 6061 | TEMPER | T6511 | SALESMAN | FORBES DODWELL | | |
| SO DESCRIPTION | .562" DIA | CUSTOMER PART NUMBER | 16303-S | PART DESCRIPTION | .562" DIA | | | | | | |
| | | | | CERTIFICATION | ASTM B221-14 - AMS QQA 200/8 | | | | | | |

Mechanical Properties

| Lot | Alloy | Test Date | Ultimate Tensile Strength (KSI) | Yield Strength (KSI) | Percent Elongation | Hardness Rockwell E | Conductivity |
|------|-------|-------------|---------------------------------|----------------------|--------------------|---------------------|--------------|
| A.11 | 6061 | Aug/12/2015 | 42.80 | 40.00 | 17.80 | 89.4, 89.7, 89.0 | |

Chemical Composition

| Cast Number | Si | Ee | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Ga | V | B | Zr | Bi | Pb | Sn | Sr | Co | Al | Other |
|-------------|------|-------|-------|-------|------|-------|----|------|-------|----|---|---|----|----|----|----|----|----|----|-------|
| A.11 29268 | 0.55 | 0.209 | 0.201 | 0.053 | 0.84 | 0.061 | 0 | 0.01 | 0.012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.007 |

DAS
14
9-89
16/09/09

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

PO/Rel 33469

Certificate of Mill Test Results

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-006783-006

31Aug16
Pg 1/1



Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

| OUR ORDER NUMBER | ITEM |
|------------------|------|
| 108261 | 1 |

| | | | |
|--|----------------------------------|-------------------------|-------------------------------|
| ROLL TO 10038 - B01-ThyssenKrupp Materials NA, Toro | MANIFEST NUMBER 16788 | DIE NUMBER 1023 | DATE OF SHIPMENT 5/16/2016 |
| SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Toro | CUSTOMER PO PEC-274400 | ASTM 6061 | TECHNICAL T6511 |
| CUSTOMER PART NUMBER | NANSCHAN PART NUMBER 40-00391 | SALSMAN Scott Parick | |
| Description: Rod 3.500" Diameter, Stencilled DMS 14 9-89 16104/09 | | | |

Applicable Requirements:
ASTM B221-14 AMS-QQ-A-200/6 Rev
A (2012-09) ASME SB221 - 1998 sec I

Melted in USA
Manufactured in USA

Mechanical Properties

| Lot | Alloy | Test No. | Test Date | Ultimate Tensile Strength (KSI) | Yield Strength (KSI) | Percent Elongation | Hardness | Conductivity |
|----------------|-------|----------|-----------|---------------------------------|----------------------|--------------------|----------|--------------|
| 108261-161-A-1 | 6061 | 16050345 | 05/10/16 | 52.5 | 46.2 | 18% | | |

Chemical Limits

| Alloy | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Ga | V | B | Zr | Bi | Pb | Sn | Sr | Ca | Each | Total |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| ALLOY 6061 | | | | | | | | | | | | | | | | | | | | |
| Minimum | 0.40 | 0.00 | 0.15 | 0.60 | 0.80 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.05 | 0.25 | 0.15 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.15 |

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

Chemical Composition

| Cast Number | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Ga | V | B | Zr | Bi | Pb | Sn | Sr | Ca | Al | Other |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|-------|-------|
| 1605020 | 0.67 | 0.31 | 0.29 | 0.07 | 0.92 | 0.06 | 0.04 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 | | | | | | | 97.58 | |

Alloy 6061

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.

Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements) Temper T6511 meets T6 Requirements

Greg Talbert
Quality Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" X 1.00" X 144.0000"

PART NO.

PO/Ref 33469

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006783-011

31Aug16

Signed by:

Pg 1/1



LB ALUMINIUM BERHAD
(138535-V)

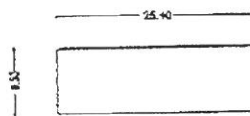


ALUMINIUM EXTRUSION

TEST CERTIFICATE

| | | |
|--|--------------------------------|----------------------------------|
| CUSTOMER: THYSSENKRUPP MATERIALS NA | SECTION NO.: PE01453MF03660 | DATE: Mar-04-2016 |
| SALES ORDER NO.: 1620748 | WORK ORDER: 598183 | ALLOY: 6061-T6511 |
| PRESS NO.: 1101 | EXTRUSION DATE: Feb-24-2016 | CERTIFICATE NO.: MCEMT1602320 |
| CUSTOMER PO NO.: PEC-272922 | | |

Section Sketch:



DAS
14
9-29

16/09/09

Thickness = 9.53 mm

CHEMICAL COMPOSITION

| Composition | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Al | Analysis Ref:- |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------------|
| Min | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | Remainder | 79280 |
| Max | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | | Feb-17-2016 |
| Actual | 0.710 | 0.200 | 0.269 | 0.028 | 1.050 | 0.079 | 0.019 | 0.012 | | |

MECHANICAL PROPERTIES (Result shown is tested by L.BALUM)

| | Tensile Strength N/mm ² | Yield Stress N/mm ² | Elongation (%) |
|----------|---------------------------------------|-----------------------------------|-------------------|
| Standard | 260 | 240 | 6 |
| Result | 337.45 | 318.03 | 19.70 |

Compliance with ASTM B221M-07

We hereby certify that the material covered by this report has been verified or tested according to the standard sampling method or the requirements of any specifications or requirements described herein, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a normal constituent to aluminum alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusion. This certificate conforms to 3.1, EN 10204.

** This certificate of Analysis has been produced electronically and is valid without signature **

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Beranang, Selangor Darul Ehsan, Malaysia.
Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)
Enquiry@lbalum.com.my www.lbalum.com

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
1.50" DIA X 144.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006783-005

31Aug16

Signed by: *[Signature]*

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

| | | | | | |
|--|-------------------------|----------------------------------|--|--|----------------------|
| CUSTOMER PO NUMBER: PEC-276928-1 | | CUSTOMER PART NUMBER: R74/STK | | PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD 1.500+/- .005 | |
| KAISER ORDER NUMBER: 6013545 | LINE ITEM: 001 | SHIP DATE: 07/26/2016 | KAISER SELECT NUMBER: Z00262360 | ALLOY: 6061 | TEMPER: T6511B |
| WEIGHT SHIPPED: 1047.000 LB | QUANTITY: 42.000 PCS | S/L NUMBER: 616345 | DIAM/DIA/TURNS: 1.500 | WIDTH: 1.500 | LENGTH: 12.000 FT |
| SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | | SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | |

Actual Physical Properties

DAS
14
9-39
16/09/09

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| Z00262360 | 0001 | 0001 | 52.6 | 50.3 | 17.9 | RE 92 | N/A | N/A |
| Z00262360 | 0001 | 0002 | 51.1 | 48.5 | 19.2 | RE 92 | N/A | N/A |
| Z00262360 | 0001 | 0003 | 50.8 | 48.2 | 19.1 | RE 95 | N/A | N/A |
| Z00262360 | 0001 | 0004 | 51.1 | 48.5 | 18.6 | RE 94 | N/A | N/A |
| Z00262360 | 0001 | 0005 | 51.2 | 48.7 | 16.7 | RE 93 | N/A | N/A |
| Z00262360 | 0001 | 0006 | 50.7 | 48.2 | 17.8 | RE 94 | N/A | N/A |
| Z00262360 | 0001 | 0007 | 50.9 | 48.3 | 18.3 | RE 94 | N/A | N/A |
| Z00262360 | 0002 | 0001 | 51.7 | 49.4 | 18.2 | RE 93 | N/A | N/A |
| Z00262360 | 0002 | 0002 | 52.2 | 49.8 | 18.3 | RE 93 | N/A | N/A |
| Z00262360 | 0002 | 0003 | 51.6 | 49.3 | 18.2 | RE 92 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| 106253 | .73 | .27 | .25 | .12 | .85 | .09 | .14 | .02 | .00 | .00 | .00 | .01 | .04 |

Applicable Requirements:

PER ASTM-B221-14, STENCILED ASME-SB221 2009 SECT II PER AMS-QQ-A-200/8A UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/I6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00243260

Kaiser Order Number: 6013545

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6S11

1.50" DIA X 144.0000"

PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-006783-005

31 Aug 16

Signed by: 

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00243260

Kaiser Order Number: 6013545

Line Item: 001

Page 2 of 2

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
1.50" DIA X 146.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-006783-007

31Aug16
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent KY 4045-9615
(502) 347-6000

Certificate: 205693 2 Mail To:
THYSSENKRUPP MATERIALS
Customer: 007206 001 2821 LANGSTAFF ROAD
CONCORD, ON L4R5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4R5C6

Date: 8/04/2016 Page: 1
Steel: 304/304L
Finish: ST

Your Order: PEC277085

NAS Order: IN 0235556 02

Corrosion: ASTM A262-10 Prac A/E OK
Red Ratio: 32.0 :1

PRODUCT DESCRIPTION:

NACE MR0175 (MID RADIUS ONLY)
Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 30400/30403, EN 10204 3.1, ASTM A484/15
ASTM A276/15, ASTM A479/15, ASTM A182/13 CHEM ONLY,
ASME SA479/13, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763C, QQS-763F
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8 (EXC PAR 7.2)

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id Skid # Diameter Size Weight Length Mark Pieces Commodity code

BI0787 2 1.5000 821 144.00 2 1

CHEMICAL ANALYSIS

CM(Country of Melt)

ES(Spain)

US(United States)

ZA(South Africa)

JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

| HEAT | CM | C % | CO % | CR % | CU % | MN % | MO % | N % | NI % | P % |
|------|-------|-------|-------|---------|-------|--------|-------|-------|--------|-------|
| 040R | US | .0215 | .1920 | 18.1245 | .5025 | 1.3400 | .3530 | .0687 | 8.5455 | .0310 |
| | S % | SI % | | | | | | | | |
| | .0220 | .2405 | | | | | | | | |

MECHANICAL PROPERTIES

| Product Id | 1 d o i c r | HB No. | .2YS KSI | UTS KSI | RA % | Elng % 4D |
|------------|-------------------|-----------|-------------|------------|---------|--------------|
| BI0787 2 | R L | 170.0 | 45.10 | 92.75 | 74.74 | 48.85 |

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO
 ABNAHMEPRUEFZEUGNIS
 INSPECTION CERTIFICATE
 CERTIFICAT DE RECEPTION
 EN 10204 (2004) , 3.1**

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

35100 VICENZA (Italia) - Viale della scienza, 25 z.i.
 Telefono 0444.968211 - Fax 0444.968306
 Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
 Telefono 0471.924111 - Fax 0471.924497

Cliente / Buyer/Purchaser/Client

VALBRUNA CANADA LTD
 8724 HOLGATE CRESCENT
 L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Hersteller/Item/Usine produce

Stato di fornitura: Hot rolled - COND. A Peeled
 Reeled/Polished

Specifiche:
 Anforderungen / Requirements / Exigences

VSL 2-630 A

AMS 5643 T17400 A

ASTM A564 2013 S17400 A

(SECTION II PTA 2013 EDITION

Qualità: 630

Werkstoff/Grade/Qualité

Marca:

Markenbezeichnung
 Brand/Usine

V174

Tolleranza: ASTM A484-14a TABLE 7
 Tolerances/Allowances/Tolérance

Punzonatura: 630

Kenntzeichnung/Marking/Marquage

| Pos. nr. Pos. n° No de piece | Oggetto Description Description de l'objet | Dimensioni - In Dimensions Dimensions | Lunghezza - In Length Longueur | Colata Casting Coulée | Pezzi Pieces Pièces | Peso - LB Weight Poids | Lotto nr. Lot no. Lot no. |
|------------------------------------|--|---|--------------------------------------|-----------------------------|---------------------------|------------------------------|---------------------------------|
| 0030 | Round | 0.7500 | 145/ 145 | 266870 | | 1.929 | 433607180 |

TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf Lieferbereitem produkt / Test à l'état de fourniture / Prueba sobre el material así como entregado

| TEST | PROVVEDI/Procedures Spezifikationen/Instructions Long. diam. Dia. Weld Diam. Thickness Long. diam. spall mm | Posiz. Sagitta mm/mm mm/mm | Snervamento Strain rate Yield Stress Units elastic Units elastic | Snervamento Strain rate Yield Stress Units elastic Units elastic | Resistenza Tensile strength Resistance à traction Resistance à traction | Allungamento Elongation Elongation Allongement | Strizione Elongation Reduction of area Reduction of area | Resilienza Impact Impact Value Resilience | Durezza Hardness Hardness Dureté HB |
|--|--|-------------------------------------|--|--|--|---|---|--|---|
| Valori richiesti Anforderungen/Required values Valeurs demandées | | min max | - | - | - | - | - | - | - |
| A | | | | | | | | | 344 |

TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf Lieferbereitem produkt / Test à l'état de fourniture / Prueba sobre el material así como entregado

| TEST | min | max | |
|----------------------------|-----|------|-------|
| A Delta Ferrite | | 5,0 | 0,1 % |
| A Grain size for ASTM E112 | | | 8 |
| A RATINGS FREQUENCY | | 1,10 | 0 |
| A RATINGS SEVERITY | | 1,05 | 0 |

Sample cond. H900

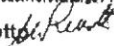
| Tipo Trattamento | Temperatura | Raffreddamento | Permanenza | Tipo Trattamento | Temperatura | Raffreddamento | Permanenza | Tipo Trattamento | Temperatura | Raffreddamento | Permanenza |
|--|--|---|--|--|--|---|---|--|---|---|------------------------------------|
| Heat Treatment Heat Treatment Traitement Technique | Temperature Temperature Température | Absorbing Cooling Refroidissement | Retention Retention Maintien | Heat Treatment Heat Treatment Traitement Technique | Temperature Temperature Température | Absorbing Cooling Refroidissement | Retention Retention Maintien | Heat Treatment Heat Treatment Traitement Technique | Temperature Temperature Température | Absorbing Cooling Refroidissement | Retention Retention Maintien |
| Agg ng | 900°F | AIR | 60' | | | | | | | | |
| T) L=longitudinal fillet, T=transverse fillet, Q=Tangential/Tangential | | | | | | | | | | | |
| TEST | PROVVEDI/Procedures Spezifikationen/Instructions Long. diam. Dia. Weld Diam. Thickness Long. diam. spall mm | Posiz. Sagitta mm/mm mm/mm | Snervamento Strain rate Yield Stress Units elastic Units elastic | Snervamento Strain rate Yield Stress Units elastic Units elastic | Resistenza Tensile strength Resistance à traction Resistance à traction | Allungamento Elongation Elongation Allongement | Strizione Elongation Reduction of area Reduction of area | Resilienza Impact Impact Value Resilience | Durezza Hardness Hardness Dureté HB | | |
| Valori richiesti | | min max | 170 | - | 190 | 10 | 40 | - | 388 | | |
| Anforderungen/Required values Valeurs demandées | | | | | | | | | 444 | | |
| B | 12,5 | 68 L | 180 | | 200 | 18 | 52 | | 429 | | |

Mechanical properties according to ASTM A370.
 Delta Ferrite according to AMS 2315.

Vicenza, 27/08/15
 V00000

(Mod. MCE2)

Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine

M. Rizzotto 

Pagina - 1 di 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"
PART NO.

PO/Rel 33469

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-0067S3-010

31Aug16

Signed by: 

Pg 2/2

**Acciaierie
Valbruna** S.p.A.



**CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
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CERTIFICAT DE RECEPTION
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Stab. 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

Cliente / Basteller/Purchaser/Client

VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Usine productrice

Stato di fornitura: Hot rolled - COND. A Peeled
Lieferzustand / Delivery state Reeled/Polished
Etat de livraison

Avviso di Spedizione:

D-V15022085

Letztsendung/Packing inv.S.L.

Ordina nr: 502005152 Stock - Canada

Bestell:
Your order
Commande

Tipo di Elaborazione: E+AOD

Erzeugungsart/Making process/Mode d'elaboration

Certificato nr: MEST733693/2015/

Prüfung/Test/Éessai

Conferma ordine nr: E15001310

Werk/Dur Order/Ref. nr.

Marchio di Fabbrica:

Zeichen des Lieferanten/
Trade mark
Sigle de l'usine productrice

Punzone del Collaudatore:

Stempel des Werksachverständigen/
Inspector's stamp/Pointon de l'essayeur



MR

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

| Colata / Heat Schmelze/Coulée | min - max | 0,070 1,00 | 1,00 | 15,00 17,00 | 0,50 | 3,00 5,00 | 3,00 6,00 | 0,030 0,040 | 0,004 | 0,0027 | | | | | | | |
|----------------------------------|--------------|----------------|-------|----------------|------|--------------|--------------|----------------|-------|--------|--------|--|--|--|--|--|--|
| C % | Si % | Mn % | Cr % | Mo % | Cu % | Ni % | Co % | S % | N % | Ta % | | | | | | | |
| 268870 | 0,034 | 0,46 | 0,56 | 15,25 | 0,30 | 3,22 | 4,63 | 0,060 | 0,001 | 0,041 | 0,0027 | | | | | | |
| Colata / Heat Schmelze/Coulée | min - max | 0,150 0,350 | 0,350 | | | | | | | | | | | | | | |
| Nb%+Ta% | Cb(Nb)% | | | | | | | | | | | | | | | | |
| 268870 | 0,295 | 0,292 | | | | | | | | | | | | | | | |

Ultrasonic volumetric test according to ASTM A388: pass.

Micro and macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Macroetch test per ASTM E340: acceptable.

Furnace calibrated according to AMS-H-6875 A; APRIL 2006

Reduction ratio = 103,2 : 1

Material solution annealed 1904°F for 1 h,

air cooled to below 90°F.

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste

Die gesamten Anforderungen sind in Anlage erfüllt
The material has been finished in accordance with the requirements
Le matériel a été traité conforme aux exigences

Controllo antimiscelanza: OK

Verwechslungsprüfung: spektralanalytisch durchgeführt
Anti mixing testing performed: OK
Contrôle antimélange fait: O.K.

Controllo visivo e dimensionale: soddisfa le esigenze

Beisichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy

No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive '97/23/EC' Annex 1, s. 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 27/08/15

VCC0006

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M606IT6 B1.500X2.500

DATE 16/09/09

MATERIAL CERTIFIED yes
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED 12'
 QUANTITY REJECTED _____

THICKNESS ORDERED 1.500X2.506
 THICKNESS RECEIVED 1.500X2.506
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|------------------------------------|------------------------------------|-----------------------------|
| SURFACE DAMAGE | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT FINISH | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORROSION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>M606IT6</u> |
| CORRECT THICKNESS | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>1.500</u> |
| PHOTO REQUIRED | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>HEAT # 195205-3</u> |
| CORRECT REF # TO LINK CERT | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>M606IT6 B1.500X2.500</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>M135559</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS DUROMETER READING | HRC | HRB | DUR A | DUR D |
| | | | | |

Testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|--------------------|---------------------|-----------------------------------|--|
| INSPECTED BY _____ | SIGNED OFF BY _____ | | |
| DATE _____ | DATE _____ | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6 B2.000X1.250
 DATE 16/09/09

PO / BATCH NO 33469/135559

MATERIAL CERT. REC'D yes
 QUANTITY RECEIVED 12
 QUANTITY INSPECTED 12
 QUANTITY REJECTED _____

THICKNESS ORDERED 2.00X1.250
 THICKNESS RECEIVED 2.00XP.250
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|-----------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061T6</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>1.250</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEATH 195307-8</u> |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061T6 B2.000X1.250</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M135559</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY 14
 DATE 9-89
16/09/09

SIGNED OFF BY _____
 DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6 B.375X1.000
 DATE 16/09/09

PO / BATCH NO 33469/135559

MATERIAL CERT RECD yes
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED 12'
 QUANTITY REJECTED _____

THICKNESS ORDERED .375
 THICKNESS RECEIVED .372
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|---------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | M6061T6 |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 372 |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | HEAT # 598183 |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | M6061T6 B.375X1.000 |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | M135559 |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| | HRC | HRB | DUR A | DUR D |
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY _____
 DATE _____

SIGNED OFF BY _____
 DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M606/TLR. 563
DATE 16/09/09

MATERIAL CERT REQD yes
QUANTITY RECEIVED 36'
QUANTITY INSPECTED 36'
QUANTITY REJECTED _____

THICKNESS ORDERED .563
THICKNESS RECEIVED .563
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M606/TLR</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>.563</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEAT # 183339-7</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M606/TLR. 563</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>135559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| | HRC | HRB | DUR A | DUR D |
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

INSPECTED BY _____ SIGNED OFF BY _____
DATE _____ DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M303 H.500
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 500
THICKNESS RECEIVED 497
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|---------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M303</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>497</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEAT # 4T247</u> |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M303 H.500</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M135559</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

| | HRC | HRB | DUR A | DUR D |
|------------------------------|-----|-----|-------|-------|
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

Testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|-------------------------|---------------------|-----------------------------------|--|
| INSPECTED BY <u>DAS</u> | SIGNED OFF BY _____ | | |
| DATE <u>16/09/09</u> | DATE _____ | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M174 R.750
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 24
QUANTITY INSPECTED 24
QUANTITY REJECTED _____

THICKNESS ORDERED .750
THICKNESS RECEIVED .750
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|--------------------------|----------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>M17-4</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>.750</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HEAT # 266870</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>M174R.750</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>M135559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | |
|---|-----|-----|-------|
| | HRC | HRB | DUR A |
| TYPE OF MATERIAL | | | |
| SIZE OF TEST SAMPLE | | | |
| HARDNESS - DUROMETER READING | | | |

Testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|----------------------|-------------------|-----------------------------------|------------|
| INSPECTED BY _____ | DAS 14 0-85 | SIGNED OFF BY _____ | DATE _____ |
| DATE <u>16/09/09</u> | | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL ML6061T6 B3.000X1.500
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.500
THICKNESS RECEIVED 1.500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|---|-------------------------------------|-------------------------------------|------------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>ML6061T6</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>1.500</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEAT # 200649058</u> |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>ML6061T6 B3.000X1.500</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>H135559</u> |
| CORRECT ME ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

| | HRC | HRB | DUR A | DUR D |
|------------------------------|-----|-----|-------|-------|
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

Testers located in the Quality Office

QC 18 INSPECTION

INSPECTED BY DAS
DATE 16/09/09

SIGNED OFF BY _____
DATE _____

ENGINEERING SIGNOFF (if required)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33429/135559

MATERIAL M6DLITL R1.500
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.500
THICKNESS RECEIVED 1.500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|---|-------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| CORRECT FINISH | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| CORROSION | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <u>M6DLITL</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <u>1.500</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <u>HEAT # 200262360</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <u>M6DLITL R1.500</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <u>1135559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY _____

DATE _____

SIGNED OFF BY _____

DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M6061TLR3.500
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 3.500
THICKNESS RECEIVED 3.500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|-----------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061TL</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>3.500</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEAT# 108261-1-1-A-1</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061TLR3.500</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M135559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

| | HRC | HRB | DUR A | DUR D |
|------------------------------|-----|-----|-------|-------|
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

Testers located in the Quality Office

QC 18 INSPECTION

INSPECTED BY DAS
DATE 14
9-39
16/09/09

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M304 RL500
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12.2
QUANTITY INSPECTED 12.2
QUANTITY REJECTED _____

THICKNESS ORDERED 1.500
THICKNESS RECEIVED 1.500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|-------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M304</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>1.500</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEAT# 040R</u> |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M304 RL500</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M135559</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING | HRC | HRB | DUR A | DUR D |
| | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|-------------------------|---------------------|-----------------------------------|--|
| INSPECTED BY <u>DAS</u> | SIGNED OFF BY _____ | | |
| DATE <u>16/09/09</u> | DATE _____ | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6 B.750X1.500
 DATE 16/09/09

PO / BATCH NO 33469/135559

MATERIAL CERTIFIED yes
 QUANTITY RECEIVED 12
 QUANTITY INSPECTED 12
 QUANTITY REJECTED _____

THICKNESS ORDERED .750
 THICKNESS RECEIVED .750
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|----------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061T6</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>.750</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEAT# 200756096</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061T6 B.750X1.500</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>H135559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

| | | | |
|---|-----|-----|-------|
| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | |
| TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING | HRC | HRB | DUR A |
| | | | |

testers located in the Quality Office

QC 18 INSPECTION

INSPECTED BY _____
 DATE 16/09/09

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY _____
 DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33419/135559

MATERIAL M6061T6 1.00X4.00
DATE 16/09/09

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.00
THICKNESS RECEIVED 1.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|-----------------------------|
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061T6</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>1.00</u> |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>HEATH 200217126</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M6061T6 B1.000X4.000</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>M135559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | |
|---|-----|-----|-------|
| | HRC | HRB | DUR A |
| TYPE OF MATERIAL | | | |
| SIZE OF TEST SAMPLE | | | |
| HARDNESS - DUROMETER READING | | | |

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY _____

DATE _____

DAS

14

9:30

16/09/09

SIGNED OFF BY _____

DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in _____

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33469/135559

MATERIAL M6061T6B.750X.125

DATE 16/09/09

MATERIAL CERTIFIED yes
 QUANTITY RECEIVED 20'
 QUANTITY INSPECTED 20'
 QUANTITY REJECTED _____

THICKNESS ORDERED .125
 THICKNESS RECEIVED .122
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|------------------------------------|------------------------------------|--------------------------|
| SURFACE DAMAGE | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT FINISH | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORROSION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>M6061T6</u> |
| CORRECT THICKNESS | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>.122</u> |
| PHOTO REQUIRED | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>HEAT# 421726-1</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>M6061T6B.750X.125</u> |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <u>M/35559</u> |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
 RECORD RESULTS BELOW

| | HRC | HRB | DUR A | DUR D |
|----------------------------|-----|-----|-------|-------|
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS DUROMETER READING | | | | |

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY _____

SIGNED OFF BY _____

DATE _____

DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 S.080

PO / BATCH NO.: P033469/135559

DATE: 16/09/15

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .080

QUANTITY RECEIVED: 96

THICKNESS RECEIVED: .080

QUANTITY INSPECTED: 96

SHEET SIZE ORDERED: 4X12

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4X12

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|-----------------------|---|
| SURFACE DAMAGE | Y (N) | |
| CORRECT FINISH | (Y) N | |
| CORROSION | Y (N) | |
| CORRECT GRAIN DIRECTION | (Y) N | |
| CORRECT MATERIAL | (Y) N | 6061 T6 |
| CORRECT THICKNESS | (Y) N | .080 |
| PHOTO REQUIRED | Y (N) | |
| CORRECT MATERIAL | (Y) N | ASTM B 209 AS printed on Sheet of Alum. |
| CORRECT REF # TO LINK CERT | (Y) N | Heat # RA27997 |
| CORRECT MATERIAL IDENTIFICATION | (Y) N | M6061 T6 S.080 |
| CORRECT M# ON THE MATERIAL | (Y) N | M135559 |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y (N) | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y (N) | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | | |
|--|-----|-----|-------|-------|--|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D | |
| SIZE OF TEST SAMPLE | | N/A | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|--|-------------------------------------|
| INSPECTED BY: <u>DAS 48</u> DATE: <u>16/09/15</u> | SIGNED OFF BY: _____ DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA

PO / BATCH NO.: PO33469 / 135559

DATE: 11/10/15

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .063

QUANTITY RECEIVED: 40

THICKNESS RECEIVED: .058

QUANTITY INSPECTED: 40

SHEET SIZE ORDERED: 4x10

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4x10

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|-----------------------|-----------------|
| SURFACE DAMAGE | Y (N) | |
| CORRECT FINISH | (Y) N | |
| CORROSION | Y (N) | |
| CORRECT GRAIN DIRECTION | (Y) N | |
| CORRECT MATERIAL | (Y) N | 304 |
| CORRECT THICKNESS | (Y) N | .058 |
| PHOTO REQUIRED | Y (N) | |
| CORRECT MATERIAL | (Y) N | ASTM A240 |
| CORRECT REF # TO LINK CERT | (Y) N | Heat # YU175063 |
| CORRECT MATERIAL IDENTIFICATION | (Y) N | M304S16GA |
| CORRECT M# ON THE MATERIAL | (Y) N | M135559 |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y (N) | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y (N) | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | |
|--|-----|-----|-------|-------|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D |
| SIZE OF TEST SAMPLE | | N/A | | |
| HARDNESS / DUROMETER READING | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|---------------------|--|-----------------------------------|--|
| INSPECTED BY: _____ | | SIGNED OFF BY: _____ | |
| DATE: _____ | | DATE: _____ | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33469

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 1 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
30
AUG 29 2016

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

| Line Nbr | Reference Vendor Part Number | Description/ Mfg ID | Req Date/ Taxable | CD | Req Qty/ Unit of Measure | PO Unit Price | Extended Price |
|----------|------------------------------|-------------------------|-------------------|----|--------------------------|---------------|----------------|
| | Line Comments | | Promise Date | | | | |
| | Delivery Comments | | | | | | |
| 1 | M6061T6B2.000X01.250 | 6061-T6 Bar 2.00 x 1.25 | 9/7/2016 | | 12.00 f | \$8.25 | \$99.00 |
| | | | Yes | | | | |
| | | | 9/7/2016 | | | | |

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$99.00

| | | | | | | | |
|---|----------------------|-------------------------|----------|--|---------|---------|----------|
| 2 | M6061T6B1.500X02.500 | 6061-T6 Bar 1.50 x 2.50 | 9/7/2016 | | 12.00 f | \$11.04 | \$132.50 |
| | | | Yes | | | | |
| | | | 9/7/2016 | | | | |

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$132.50

PO Instructions: quote st-961761,st-963134,ST-963001

Note:

8/30/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33469

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 2 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

| | | | | | | | | |
|---|----------------------|-------------------------|----------|-------|---|----|---------|----------|
| 3 | M6061T6B30000X01.500 | 6061-T6 Bar 3.00 x 1.50 | 9/7/2016 | 12.00 | ✓ | 1x | \$12.50 | \$150.00 |
| | | | Yes | f | | | | |
| | | | 9/7/2016 | | | | | |

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$150.00

| | | | | | | | | |
|---|---------------|------------------------|----------|-------|---|----|--------|---------|
| 4 | M6061T6R0.563 | 6061-T6 ROUND BAR .563 | 9/7/2016 | 36.00 | ✓ | 3x | \$1.53 | \$55.00 |
| | | | Yes | f | | | | |
| | | | 9/7/2016 | | | | | |

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$55.00

| | | | | | | | | |
|---|---------------|------------------------|----------|-------|---|----|--------|---------|
| 5 | M6061T6R1.500 | 6061-T6 Round Bar 1.50 | 9/7/2016 | 12.00 | ✓ | 1x | \$5.42 | \$65.00 |
| | | | Yes | f | | | | |
| | | | 9/7/2016 | | | | | |

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

8/16-9-2

PO Instructions: quote st-961761,st-963134,ST-963001

Note:

8/30/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33469**

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 3 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

| | | | | | | | | |
|---|---------------|------------------|-----------------------------|------------|---|----|---------|----------|
| 6 | M6061T6R3.500 | 6061 RD bar 3.50 | 9/7/2016 Yes 9/7/2016 | 12.00 f | ✓ | 1x | \$25.50 | \$306.00 |
|---|---------------|------------------|-----------------------------|------------|---|----|---------|----------|

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$65.00

| | | | | | | | | |
|---|------------|---------------------|-----------------------------|------------|---|----|---------|----------|
| 7 | M304R1.500 | 304 round bar 1.500 | 9/7/2016 Yes 9/7/2016 | 12.20 f | ✓ | 1x | \$12.90 | \$157.38 |
|---|------------|---------------------|-----------------------------|------------|---|----|---------|----------|

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276
(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$306.00

Line Total: \$157.38

PO Instructions: quote st-961761,st-963134,ST-963001

Note:

8/30/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33469

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 4 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

| | | | | | | |
|---|------------|------------------|----------|-------|--------|---------|
| 8 | M303H0.500 | 303 HEX BAR .500 | 9/7/2016 | 12.00 | \$4.49 | \$53.88 |
| | | | Yes | f | | |
| | | | 9/7/2016 | | | |

MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$53.88

| | | | | | | |
|---|------------|---------------------|----------|-------|--------|----------|
| 9 | M174R0.750 | 17-4 round bar .750 | 9/7/2016 | 24.00 | \$6.90 | \$165.60 |
| | | | Yes | f | | |
| | | | 9/7/2016 | | | |

17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564
GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total: \$165.60

| | | | | | | |
|----|-------------------|-------------------------|----------|-------|---------|----------|
| 10 | M174B0.500X02.000 | 17-4 SS Bar .500 x 2.00 | 9/7/2016 | 12.00 | \$24.85 | \$298.20 |
| | | | Yes | f | | |
| | | | 9/7/2016 | | | |

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643
GRAIN DIRECTION MUST BE ALONG LENGTH
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE = 150 KSI

PO Instructions: quote st-961761, st-963134, ST-963001

Note:

8/30/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33469**

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 5 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$298.20

11 M303R0.750 303 Round Bar 0.750 9/7/2016
Yes
9/7/2016

72.00
f

\$3.95 \$284.40

B/O

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$284.40

12 M2024T3S.050 2024-T3 .050 sheet 9/7/2016
Yes
9/7/2016

48.00
sf

\$6.61 \$317.15

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$317.15

PO Instructions: quote st-961761,st-963134,ST-963001

Note:

8/30/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33469**

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 6 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

| | | | | | | |
|----|-----------|--------------------|----------|-------|--------|----------|
| 13 | M304S16GA | 304/316 Sheet .063 | 9/7/2016 | 40.00 | \$4.48 | \$179.36 |
| | | | Yes | sf | | |
| | | | 9/7/2016 | | | |

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR ~~AMS 5524~~ (316)
OR ASTM A240
OR ASME SA240

Line Total: \$179.36

| | | | | | | |
|----|----------------------|------------------------|----------|-------|--------|---------|
| 14 | M6061T6B0.375X01.000 | 6061T6 BAR .375 x 1.00 | 9/7/2016 | 12.00 | \$3.75 | \$45.00 |
| | | | Yes | f | | |
| | | | 9/7/2016 | | | |

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$45.00

PO Instructions: quote st-961761, st-963134, ST-963001

Note:

8/30/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33469

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 7 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

15 M6061T6B0.750X01.500 6061-T6 Bar .750 X 1.50 9/7/2016
Yes
9/7/2016

12.00
f

\$3.92

\$47.06

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total:

\$47.06

16 M6061T6B1.000X04.000 6061-T6 Bar 1.00 x 4.00 9/7/2016
Yes
9/7/2016

12.00
f

\$11.80

\$141.60

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total:

\$141.60

17 M6061T6B00750X00.125 6061-T6 Bar .750 x .125 9/7/2016
Yes
9/7/2016

20.00
f

\$2.25

\$45.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

PO Instructions: quote st-961761,st-963134,ST-963001

Note:

8/30/2016

SP 16-9-2.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33469**

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 8 of 8

Order From :
VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

| | | | | | |
|----|--------------|--------------------|----------|--------------------|----------------|
| | | | | Line Total: | \$45.00 |
| 18 | M6061T6S.080 | 6061-T6 .080 Sheet | 9/7/2016 | 96.00 | \$417.82 |
| | | | Yes | sf | |
| | | | 9/7/2016 | | |

2x.

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

| | | | | | |
|----|----------|--------------------------------|----------|--------------------|-----------------|
| | | | | Line Total: | \$417.82 |
| 19 | 71401-45 | PROCUREMENT QUALITY CLAUSES | 9/7/2016 | 1.00 | \$0.00 |
| | | | No | | |
| | | | 9/7/2016 | | |

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Sp/6-9-2.

W

Line Total: **\$0.00**

PO Total: **\$2,959.95**

PO Instructions: quote st-961761,st-963134,ST-963001

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 8/30/2016